

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046311.D
 Acq On : 22 May 2025 07:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:38:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	93374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	156616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82816	47.574	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.140%		
35) Dibromofluoromethane	5.379	113	57900	51.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.680%		
50) Toluene-d8	8.641	98	191700	49.110	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.220%		
62) 4-Bromofluorobenzene	11.079	95	75444	50.386	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71061	49.722	ug/l	99
3) Chloromethane	1.307	50	64385	46.457	ug/l	98
4) Vinyl Chloride	1.374	62	59287	45.964	ug/l	99
5) Bromomethane	1.593	94	27233	45.520	ug/l	99
6) Chloroethane	1.666	64	34041	49.436	ug/l	96
7) Trichlorofluoromethane	1.874	101	94037	49.330	ug/l	99
8) Diethyl Ether	2.130	74	31387	48.367	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	58346	49.458	ug/l	99
10) Methyl Iodide	2.447	142	63859	45.747	ug/l	97
11) Tert butyl alcohol	2.971	59	56376	230.714	ug/l	100
12) 1,1-Dichloroethene	2.313	96	52277	47.216	ug/l	98
13) Acrolein	2.233	56	70117	251.965	ug/l	99
14) Allyl chloride	2.654	41	106967	50.551	ug/l	98
15) Acrylonitrile	3.062	53	177826	254.504	ug/l	98
16) Acetone	2.380	43	189608	271.654	ug/l	100
17) Carbon Disulfide	2.502	76	111331	42.413	ug/l	100
18) Methyl Acetate	2.703	43	95369	58.882	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	195614	50.394	ug/l	99
20) Methylene Chloride	2.782	84	61894	46.274	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	53213	47.791	ug/l	98
22) Diisopropyl ether	3.757	45	210321	51.456	ug/l	99
23) Vinyl Acetate	3.715	43	901801	250.847	ug/l	100
24) 1,1-Dichloroethane	3.599	63	114000	50.075	ug/l	98
25) 2-Butanone	4.550	43	261372	257.939	ug/l	98
26) 2,2-Dichloropropane	4.465	77	90002	50.509	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	65595	48.937	ug/l	99
28) Bromochloromethane	4.885	49	56249	51.330	ug/l	97
29) Tetrahydrofuran	5.001	42	158933	250.302	ug/l	98
30) Chloroform	5.080	83	120119	50.621	ug/l	97
31) Cyclohexane	5.458	56	95802	46.179	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	101925	49.551	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75694	49.953	ug/l	99
37) Ethyl Acetate	4.708	43	95354	50.932	ug/l	99
38) Carbon Tetrachloride	5.666	117	87670	51.492	ug/l	98
39) Methylcyclohexane	7.373	83	94570	48.477	ug/l	97
40) Benzene	6.031	78	224850	50.659	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	55322	56.488	ug/l	99
42) 1,2-Dichloroethane	6.074	62	98310	51.320	ug/l	99
43) Isopropyl Acetate	6.336	43	150834	52.811	ug/l	99
44) Trichloroethene	7.117	130	53940	50.493	ug/l	99
45) 1,2-Dichloropropane	7.421	63	58604	53.100	ug/l	100
46) Dibromomethane	7.574	93	44609	51.247	ug/l	99
47) Bromodichloromethane	7.818	83	91884	53.594	ug/l	99
48) Methyl methacrylate	7.690	41	79914	54.787	ug/l	98
49) 1,4-Dioxane	7.653	88	27343	987.270	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	508465	268.200	ug/l	100
52) Toluene	8.714	92	137807	50.634	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	81427	53.434	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	90578	53.779	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	56186	52.356	ug/l	97
56) Ethyl methacrylate	9.110	69	92870	54.299	ug/l	99
57) 1,3-Dichloropropane	9.305	76	98171	50.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	236236	270.923	ug/l	99
59) 2-Hexanone	9.427	43	381843	272.238	ug/l	99
60) Dibromochloromethane	9.519	129	64758	54.947	ug/l	100
61) 1,2-Dibromoethane	9.604	107	58041	52.037	ug/l	99
64) Tetrachloroethene	9.269	164	48323	50.728	ug/l	96
65) Chlorobenzene	10.073	112	149373	50.689	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	53333	53.002	ug/l	100
67) Ethyl Benzene	10.189	91	273453	52.643	ug/l	99
68) m/p-Xylenes	10.299	106	198602	104.536	ug/l	97
69) o-Xylene	10.640	106	97967	52.893	ug/l	98
70) Styrene	10.653	104	166748	54.959	ug/l	100
71) Bromoform	10.799	173	41450	54.866	ug/l #	99
73) Isopropylbenzene	10.957	105	264523	50.882	ug/l	100
74) N-amyl acetate	10.842	43	132516	51.584	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88776	48.729	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	79683m	49.574	ug/l	
77) Bromobenzene	11.195	156	58353	48.347	ug/l	97
78) n-propylbenzene	11.299	91	315677	52.223	ug/l	100
79) 2-Chlorotoluene	11.360	91	191257	49.053	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	224208	51.623	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24336	49.292	ug/l	96
82) 4-Chlorotoluene	11.451	91	220564	51.011	ug/l	99
83) tert-Butylbenzene	11.713	119	224044	51.212	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	228136	51.869	ug/l	100
85) sec-Butylbenzene	11.890	105	283373	52.754	ug/l	99
86) p-Isopropyltoluene	12.006	119	234080	52.794	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	110571	50.197	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	111674	49.642	ug/l	100
89) n-Butylbenzene	12.329	91	209959	53.984	ug/l	100
90) Hexachloroethane	12.536	117	40287	51.574	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	109531	49.552	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20641	51.143	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	65150	51.316	ug/l	97
94) Hexachlorobutadiene	13.719	225	29022	52.341	ug/l	98
95) Naphthalene	13.774	128	227774	48.916	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	67501	51.528	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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